



## TECHNICAL SERVICE BULLETIN

### 5.0L - Excessive Oil Consumption

**19-2133**

10 May 2019

This bulletin supersedes 19-2058. Reason for update: New Part/Procedure For Same Condition

**Model:**

<b>Ford</b> 2018 F-150
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**Summary**

This article supersedes TSB 19-2058 to update the Service Procedure and Part List.

**Issue:** Some 2018 F-150 vehicles equipped with a 5.0L engine may exhibit excessive oil consumption with no visible oil leaks.

**Action:** Follow the Service Procedure steps to correct the condition on vehicles that meet all of the following criteria:

- 2018 F-150
- 5.0L engine

**Parts**

Part Number	Description	Quantity
JL3Z-6006-A	Long Block Assembly	1
JL3Z-6006-B	Long Block Assembly - Gaseous Fuel Prep Pack	1
AA5Z-6714-A	Oil Filter	1
7L3Z-6A666-A	PCV Valve	1
JL3Z-9439-A	Intake Manifold Gasket Kit	1
FR3Z-9448-A	Exhaust Manifold Gasket	2
FT4Z-9E583-A	High Pressure Fuel Pump O-ring	1
HL3Z-19B596-A	A/C Compressor Line Seal Kit	1
JR3Z-9J323-A	High Pressure Fuel Tube	1
JR3Z-9J323-B	High Pressure Fuel Tube	1
W520113-S440	Stabilizer Bar Bracket Nuts	4
7L1Z-4B496-C	Front Driveshaft CV Joint To Pinion Flange Bolts	2
7L1Z-4B496-D	Front Driveshaft CV Joint To Transfer Case Bolts	3
W520514-S440	Catalytic Converter To Exhaust Manifold Nuts	4
W714870-S430	Exhaust Manifold Nuts	16
W714689-S437	Torque Converter To Flex Plate Nuts	4
W716530-S440	Right Side Engine Mount Nuts	2
W715211-S439	Left Side Engine Mount Bolt	1
W713244-S439	Left Side Engine Mount To Frame Bolts	3

JL3Z-6379-A	Flex Plate Bolts	8
W714735-S439	Engine Mount To Cylinder Block Bolts	6
N808684-S101	Steering Shaft Bolt	1
W718644-S439	Body Mount Bolt	6 (as required)
W718645-S900	Body Mount Bolt	2 (as required)
XO-5W20-Q1SP	Motorcraft® SAE 5W-20 Synthetic Blend Motor Oil (All Markets Except Canada)	9
CXO- 5W20-LSP6	Motorcraft® SAE 5W-20 Super Premium Motor Oil (Canada Only)	9
VC-13-G	Motorcraft® Yellow Concentrated Antifreeze/Coolant (All Markets Except Canada)	4
CVC-13-G	Motorcraft® Yellow Concentrated Antifreeze/Coolant (Canada Only)	4
VC-3-B	Motorcraft® Orange Concentrated Antifreeze/Coolant (All Markets Except Canada)	4
CVC-3-B2	Motorcraft® Orange Concentrated Antifreeze/Coolant (Canada Only)	4

**Warranty Status:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage. Warranty/ESP coverage limits/policies are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool. For repairs covered by the New Vehicle Limited Warranty, completion of the procedure outlined in this TSB does not require obtaining Prior Approval or completion of a Cost Cap.

#### Labor Times

Description	Operation No.	Time
2018 F-150 5.0L: Visual Inspection For Oil Leaks, Replace The PCV Valve, Change The Engine Oil And Filter, And Mark The Oil Level Stick Following The Service Procedure Includes Time To Check And Record Engine Oil Level On Return Visits (Do Not Use With Any Labor Operations Outside Of This Article)	DR192133A	0.8 Hrs.
2018 F-150 4X2 5.0L: Replace The Engine Long Block Assembly Includes Time To Remove And Install Cab Assembly (Do Not Use With Any Labor Operations Outside Of This Article)	DR192133B	11.8 Hrs.
2018 F-150 4X4 5.0L: Replace The Engine Long Block Assembly Includes Time To Remove And Install Cab Assembly (Do Not Use With Any Labor Operations Outside Of This Article)	DR192133C	12.3 Hrs.
Additional Time If Equipped With Cruise Control Module (CCM) (Can Be Claimed With B Or C)	DR192133D	0.3 Hrs.
Additional Time Front End Sheet Metal Cage Nut Spun One Side (Can Be Claimed With B Or C)	DR192133E	0.1 Hrs.
Additional Time Front End Sheet Metal Cage Nut Spun Both (2) Sides (Can Be Claimed With B Or C)	DR192133F	0.1 Hrs.
Additional Time Body Support No. 1 Cage Nut Spun One (1) Side (Can Be Claimed With B Or C)	DR192133G	0.6 Hrs.
Additional Time Body Support No. 1 Cage Nut Spun Both (2) Sides (Can Be Claimed With B Or C)	DR192133H	1.1 Hrs.
Additional Time Body Support No. 2 Cage Nut Spun One (1) Side (Can Be Claimed With	DR192133J	0.7

B Or C)		Hrs.
Additional Time Body Support No. 2 Cage Nut Spun Both (2) Sides (Can Be Claimed With B Or C)	DR192133K	1.2 Hrs.
Additional Time Body Support No. 3 Cage Nut Spun Right (Can Be Claimed With B Or C)	DR192133L	1.1 Hrs.
Additional Time Body Support No. 3 Cage Nut Spun Left (Can Be Claimed With B Or C)	DR192133M	1.2 Hrs.
Additional Time Body Support No. 3 Cage Nut Spun Both (Can Be Claimed With B Or C)	DR192133N	1.5 Hrs.
Additional Time If Equipped To Remove Rear Inflatable Seatbelts If The No. 3 Cage Nut Spun (Can Be Claimed With B Or C)	DR192133O	0.1 Hrs.
Additional Time If Equipped To Remove Subwoofer If The No. 3 Cage Nut Spun (Can Be Claimed With B Or C)	DR192133P	0.1 Hrs.
Additional Time If Equipped To Remove Audio Digital Signal Processing (DSP) Module If The No. 3 Cage Nut Spun (Can Be Claimed With B Or C)	DR192133Q	0.1 Hrs.

### Repair/Claim Coding

Causal Part:	6006
Condition Code:	42

### Service Procedure

**For repairs covered by the New Vehicle Limited Warranty, completion of the procedure outlined in this TSB does not require obtaining Prior Approval or completion of a Cost Cap.**

1. Visually inspect for engine oil leaks. Are any visible leaks present?
  - (1). Yes - this article does not apply. Refer to the Workshop Manual (WSM), Section 303-01D.
  - (2). No - proceed to Step 2.
2. Replace the positive crankcase ventilation (PCV) valve. Refer to WSM, Section 303-08D.
3. Drain the engine oil and remove and replace the oil filter.
4. Fill the engine with 7.4L (7.8 quarts) which is 1L (1 quart) less than the specified fill level.

**NOTE: Make sure the vehicle is positioned on a level surface.**

5. Run the engine for 3 minutes if hot or 10 minutes if cold. Turn off the engine. Allow for a minimum 15 minute drainback period and record the oil level shown on the oil level indicator by placing a mark on the backside of the oil level indicator.
6. Add the final 1L (1 quart) to complete the normal oil fill. Restart the engine and allow it to idle for 2 minutes. Turn off the engine.
7. After a 15 minute drainback period, record the location of the oil level by placing a mark on the oil level indicator at the new oil level location.

**NOTE: Do not use the factory oil level indicator markings for the oil consumption test. Use only the markings applied to the oil level indicator in Steps 5 and 7.**

8. Explain to the customer the factory-calibrated marks on the oil level indicator are where the oil should fall after an oil change with the specified fill amount. Explain this may vary between MIN-MAX or the upper and lower holes on the oil level indicator.
9. Record the vehicle mileage.
10. Advise the customer that oil level indicator readings must be taken every 320 km (200 mi) or weekly, using the revised marks as drawn on the oil level indicator. Remind the customer the engine needs a minimum 15

minute drainback for an accurate reading and the oil level indicator must be firmly seated in the tube prior to taking the reading.

**11.** When the subsequent indicator readings demonstrate a 1 full liter (1 quart) has been used, record the vehicle mileage. Consider the drive cycle the vehicle has been operated under when making this calculation. It may be necessary to have the customer bring the vehicle in for a periodic oil level indicator reading to closely monitor oil usage.

(1). If the vehicle has traveled at least 4,800 km (3,000 mi) and oil consumption has not met or exceeded 1L (1 quart), the vehicle is operating normally and no repairs should be performed.

**NOTE: Use only the marks applied to the oil level indicator during Steps 5 and 7 for oil consumption measurements. This is a more precise measurement that eliminates any variability in the markings on the factory oil level indicator.**

**12.** Measure the distance between the mark made in Step 7 and the current oil level on the oil level indicator. Record this measurement in millimeters, the current vehicle mileage obtained in Step 11, and the beginning mileage recorded in Step 9 on the repair order.

**13.** Does the oil consumption measured exceed 1L (1 quart) in 4,800 km (3,000 mi) or less?

(1). Yes - proceed to Step 14.

(2). No - vehicle is operating normally, no further repairs are necessary. Repair is complete.

**14.** Replace the engine long block assembly and prepare the original engine to be returned for analysis. Refer to WSM, Section 303-01D.

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